

SOLUTIONS FOR HANDLING RESIDUAL WASTE

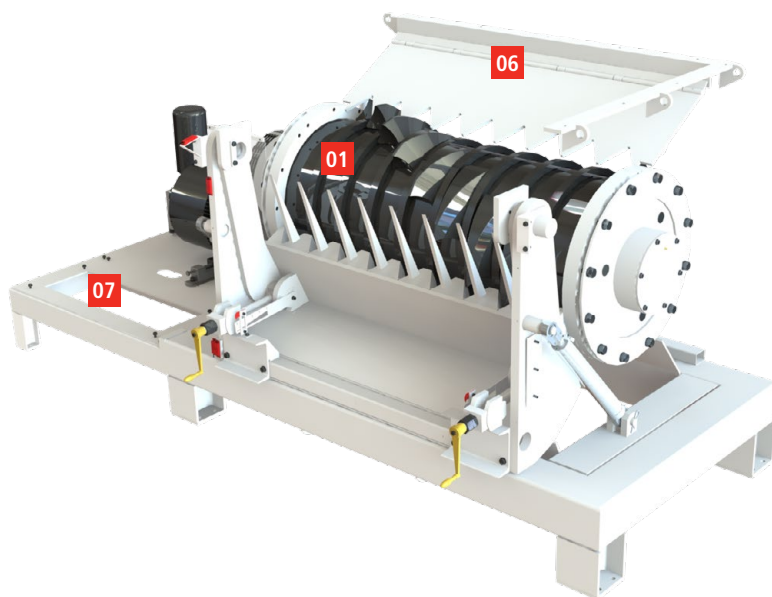
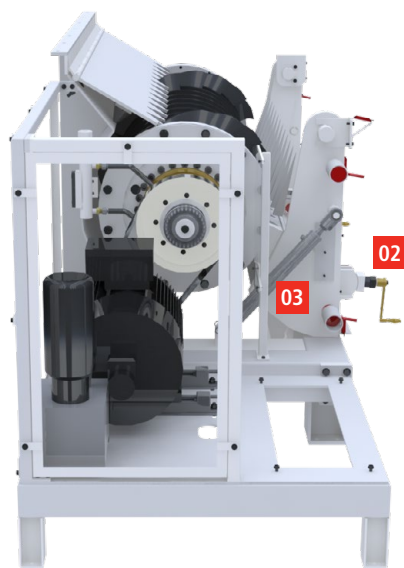


With the aim to ensure an effective opening of the bags that reach the urban residual waste plants and packaging, Bianna RECYCLING has developed machinery that opens the bags, which are characterised by their maximum efficiency and low operative costs.

The machine has a rotor that spins at a low rev speed, working by means of an electric motor. The transmission system of the motor to the rotor is formed of a belt and a planetary type gear unit. The speed of the spinning rotor can be controlled by means of a frequency variator (from 0 to 12 rpm).

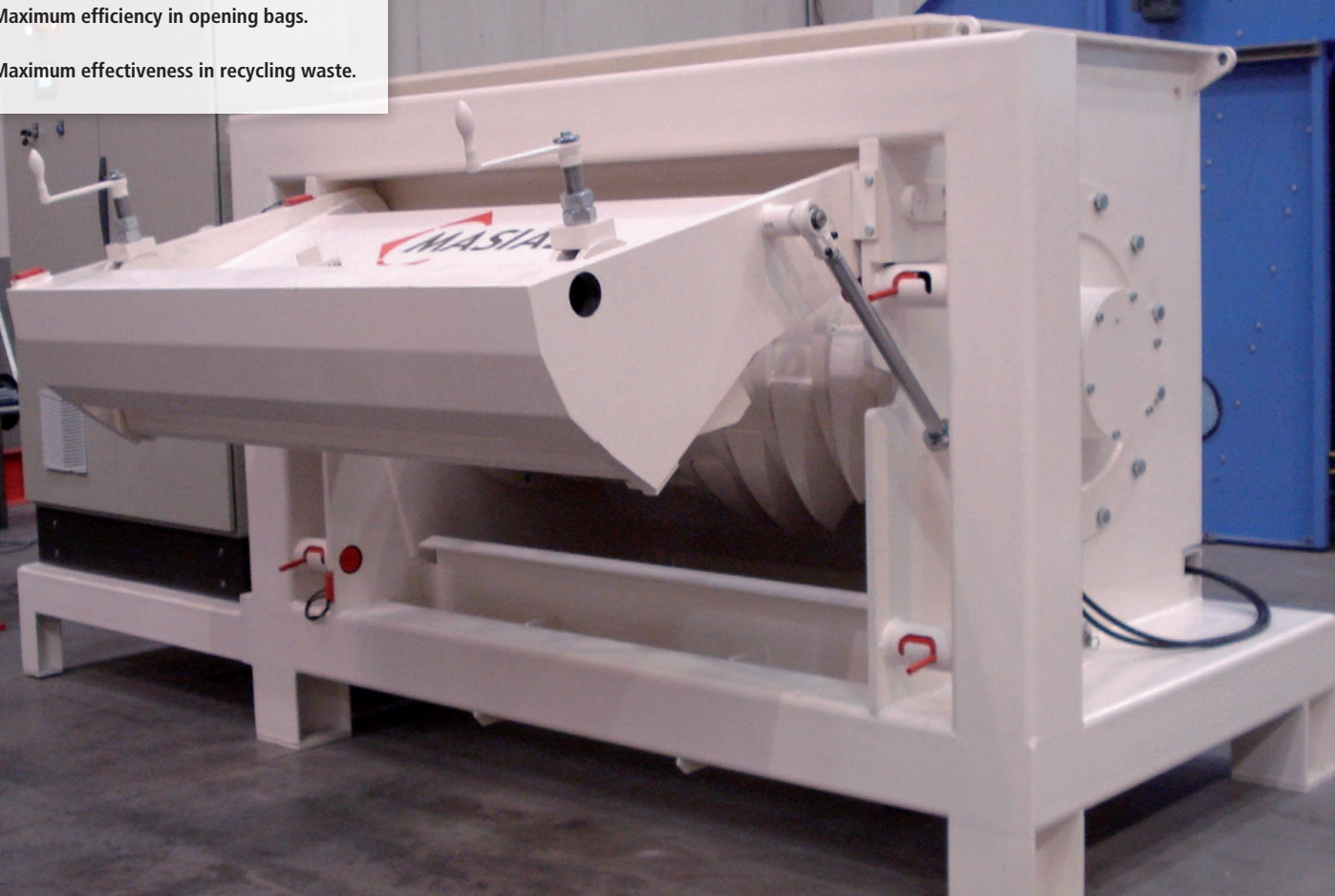
The rotor includes a series of piercing teeth, in the form of a spiral and along the whole surface, which open the bags by tearing them with fixed teeth. The distance between the teeth of the rotor and the static piercing machine is adjustable between 5mm and 150mm.

It is a very effective machine for opening bags (more than 95%) which, avoiding the need to be aggressive with their contents, increases the efficiency of any selection and recovery process of recyclable materials.



Maximum efficiency in opening bags.

Maximum effectiveness in recycling waste.





MAIN PARTS

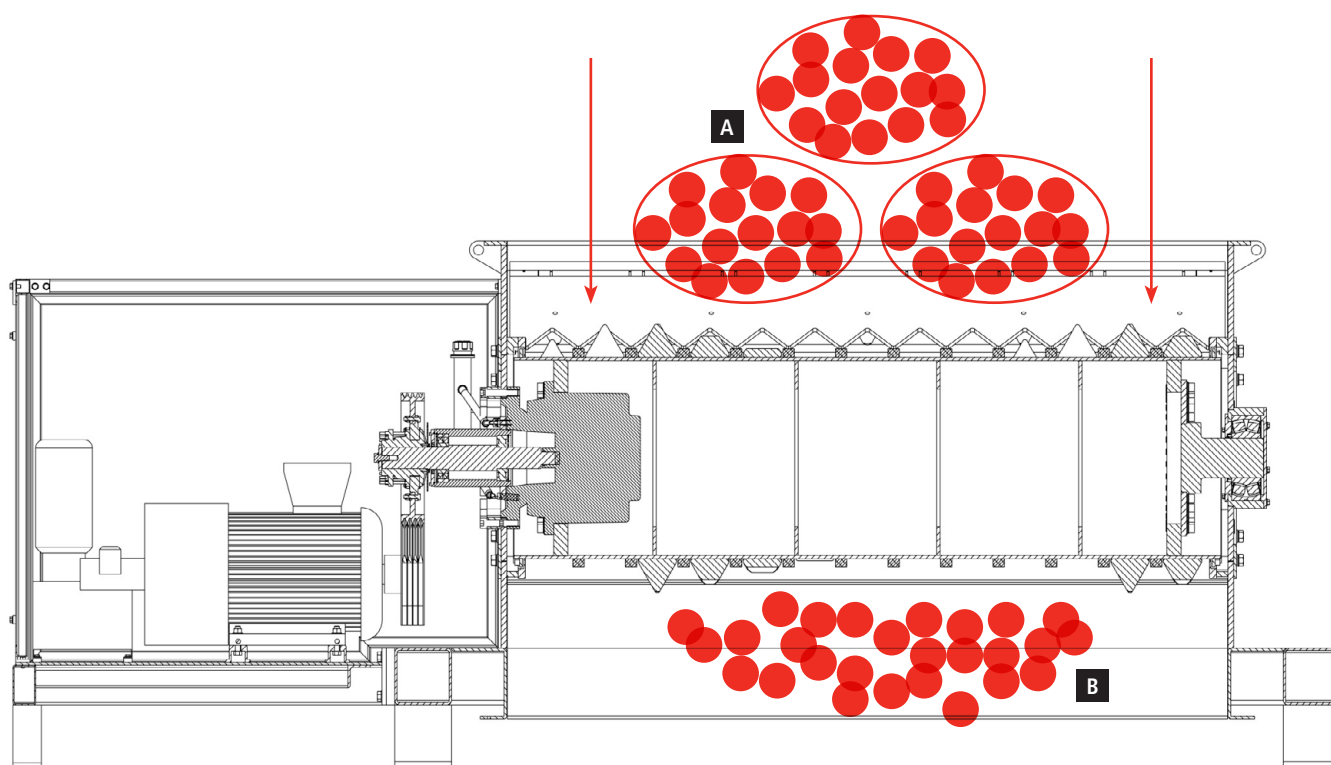
Rotor	01
Mechanical adjustment of the distance between the rotor and the shear bar	02
Hydraulic lifting system of the side gate of the machine in order to carry out maintenance tasks or to remove unwanted materials.	03
Reduction planetary type gear unit	04
Electric motor	05
Rotor cleaning sheet	06
Electrical panel	07

CHARACTERISTICS

- Slow rotating piercing shaft with adjustable speed
- Planetary reduction gears for transmission of movement of electric motor to rotor shaft
- Control system to ensure proper performance of the equipment in the presence of "difficult" materials: inversion of rotor or automatic suspension of the machine
- Adjustable distance between the mobile rotor and the static rippers
- Easy extraction of inappropriate elements
- Control cabinet equipped with PLC Siemens S7

MODELS

Equipment	Maximum capacity	Power drive system	Length of the rotor	Speed of the rotor
OC180/40	80 m3/h	37.5 kW	1,800 mm	0-12 rpm
OC180/75	110 m3/h	75 kW	1,800 mm	0-12 rpm
OC250/75	140 m3/h	75 kW	2,500 mm	0-12 rpm



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Advanced Recycling Technologies